What is claimed is:

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- 1. An isolated nucleic acid molecule expressed by a tissue selected from the group consisting of a flea HMT tissue and a flea HNC tissue, identified by a method comprising: (a) constructing a cDNA library enriched for HMT or HNC expressed sequences; and (b) identifying a nucleic acid molecule in said library.
- 2. -The nucleic acid molecule of Claim 1, wherein said nucleic acid molecule comprises a nucleic acid sequence selected from the group consisting of a nucleic acid sequence of Table I and a nucleic acid sequence of Table II.
- 3. An isolated nucleic acid molecule that hybridizes to a nucleic acid sequence selected from the group consisting of a nucleic acid sequence of Table I, a 10 nucleic acid sequence of Table II, a nucleic acid sequence complementary to a nucleic acid sequence of Table I, and a nucleic acid sequence complementary to a nucleic acid sequence of Table II, under conditions comprising (a) hybridizing in a solution comprising 1X SSC in the absence of helix destabilizing agents, at a temperature of 37°C and (b) washing in a solution comprising 1X SSC in the absence of helix destabilizing agents, at a temperature of 47.5°C.
 - 4. The nucleic acid of Claim 3, wherein said nucleic acid molecule comprises a nucleic acid sequence that is at least 70% identical to a nucleic acid sequence selected from the group consisting of a nucleic acid sequence of Table I and a nucleic acid sequence of Table II.
 - 5. The nucleic acid of Claim 3, wherein said nucleic acid molecule comprises a nucleic acid sequence selected from the group consisting of a nucleic acid sequence of Table I and a nucleic acid sequence of Table II.
- 6. A recombinant molecule comprising a nucleic acid molecule as set forth in 25 Claim 3 operatively linked to a transcription control sequence.
 - 7. A recombinant virus comprising a nucleic acid molecule as set forth in Claim 3.

- 8. A recombinant cell comprising a nucleic acid molecule as set forth in Claim 3.
- 9. A method to produce a protein, said method comprising (a) transfecting a host cell with a nucleic acid molecule of Claim 3 to produce a recombinant cell;
- (b) culturing the recombinant cell under conditions effective to produce said protein in said recombinant cell; and (c) recovering the protein.
 - 10. The method of Claim 9, wherein said nucleic acid molecule comprises a nucleic acid sequence that is at least 70% identical to a nucleic acid sequence selected from the group consisting of a nucleic acid sequence of Table I and a nucleic acid sequence of Table II.

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- 11. The method of Claim 9, wherein said nucleic acid molecule comprises a nucleic acid sequence selected from the group consisting of a nucleic acid sequence of Table I and a nucleic acid sequence of Table II.
- protein encoded by a nucleic acid molecule that hybridizes to a nucleic acid sequence selected from the group consisting of a nucleic acid sequence complementary to a nucleic acid sequence of Table I and a nucleic acid sequence complementary to a nucleic acid sequence of Table II, under conditions comprising (a) hybridizing in a solution comprising 1X SSC in the absence of helix destabilizing agents, at a temperature of 37°C and (b) washing in a solution comprising 1X SSC in the absence of helix destabilizing agents, at a temperature of 47.5°C.
 - 13. The protein of Claim 12, wherein said nucleic acid molecule comprises a nucleic acid sequence selected from the group consisting of a nucleic acid sequence of Table I and a nucleic acid sequence of Table II.
- 14. The protein of Claim 12, wherein said nucleic acid molecule comprises a nucleic acid sequence that is at least 70% identical to a nucleic acid sequence selected

from the group consisting of a nucleic acid sequence of Table I and a nucleic acid sequence of Table II.

15. An isolated antibody that selectively binds to a protein as set forth in Claim 12.

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- 16. A method to identify a compound capable of inhibiting activity of an isolated protein of Claim 12, said method comprising contacting an isolated protein of Claim 12 with a putative inhibitory compound under conditions in which, in the absence of said compound, said protein has activity; and determining if said putative inhibitory compound inhibits said activity.
 - 17. A kit to identify a compound capable of inhibiting activity of an isolated protein of Claim 12, said test kit comprising an isolated protein of Claim 12 and a means for determining the extent of inhibition of said activity in the presence of a putative inhibitory compound.
 - 18. A composition comprising an excipient and an isolated nucleic acid molecule of Claim 3.
 - 19. A composition comprising an excipient and an isolated protein of Claim 12.
 - 20. A composition comprising an excipient and an isolated antibody of Claim 15.